

## **Abstract**

The present invention pertains to a refractometer with a refractometer prism, on the measuring surface of which a sample to be analyzed can be placed, which can be illuminated by a light source in such an angle range that the critical angle of the total reflection is also contained in it, and with a receiver, on which the reflected radiation falls. The light source comprises a plurality of discrete light sources, which can be activated individually or together, and their radiation can be sent in one point to the refractometer in a bundled form.